

Endeavor Data Summary

Cruise 6/25/2010

Review Date 6/26/2010

Summary:

The RV Endeavor collected water samples at Station EN13, which was at the western plume site identified during the "tow-yo" scan conducted on 6/24/2010. Samples were collected every 15 m between the depths of 900 m and 1200 m.

The AUV Sentry mission is currently underway, conducting transects west of the wellhead. Sentry is yielding information regarding subsurface features, but data must be validated before any specific conclusions can be drawn.

Samples were successfully transferred to the Brooks McCall for transport to shore. The chief scientist on the Endeavor requested that data generated from TETHYS, CDOM, Aquatracker and Sentry not be released until data can be validated in order to maintain scientific integrity of the information.

A CTD plot for today's station was not included in the status report due to technical difficulties with the sensor.

Science results and preliminary interpretation:

A total of twenty-four (24) samples from EN13 will be analyzed for VOA and twenty-five (25) will be analyzed for TPH. No Rototox or LISST samples were taken today. It is anticipated that the laboratory results for TPH and VOA will yield high resolution information about chemical composition of the plume.